

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/02864

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G11B33/14

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01F H02H G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category <sup>o</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 015, no. 033 (P-1158), 25 January 1991 (1991-01-25) & JP 02 273354 A (SEIKO EPSON CORP), 7 November 1990 (1990-11-07) abstract	1-8
Y	US 6 111 379 A (FELDTKELLER MARTIN) 29 August 2000 (2000-08-29) column 3, line 14-24; figure 1 column 6, line 1-6	1-8

Further documents are listed in the continuation of box C

Patent family members are listed in annex

<sup>o</sup> Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

20 October 2003

Date of mailing of the international search report

28/10/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"DIRECT ACCESS STORAGE DEVICE VOICE COIL TEMPERATURE ESTIMATOR AND LIMITER" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 37, no. 9, 1 September 1994 (1994-09-01), pages 477-478, XP000473477 ISSN: 0018-8689 the whole document -----	1
A	US 5 455 717 A (HOOGENDOORN ABRAHAM ET AL) 3 October 1995 (1995-10-03) abstract -----	1

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Int'l Application No

PCT/EP 03/02864

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
JP 02273354	A 07-11-1990	NONE		
US 6111379	A 29-08-2000	DE 19754126 A1 DE 59808806 D1 EP 0921618 A2		17-06-1999 31-07-2003 09-06-1999
US 5455717	A 03-10-1995	AT 162328 T DE 69316304 D1 DE 69316304 T2 EP 0592037 A2 JP 3397389 B2 JP 6267008 A		15-01-1998 19-02-1998 23-07-1998 13-04-1994 14-04-2003 22-09-1994